



Standard CSP

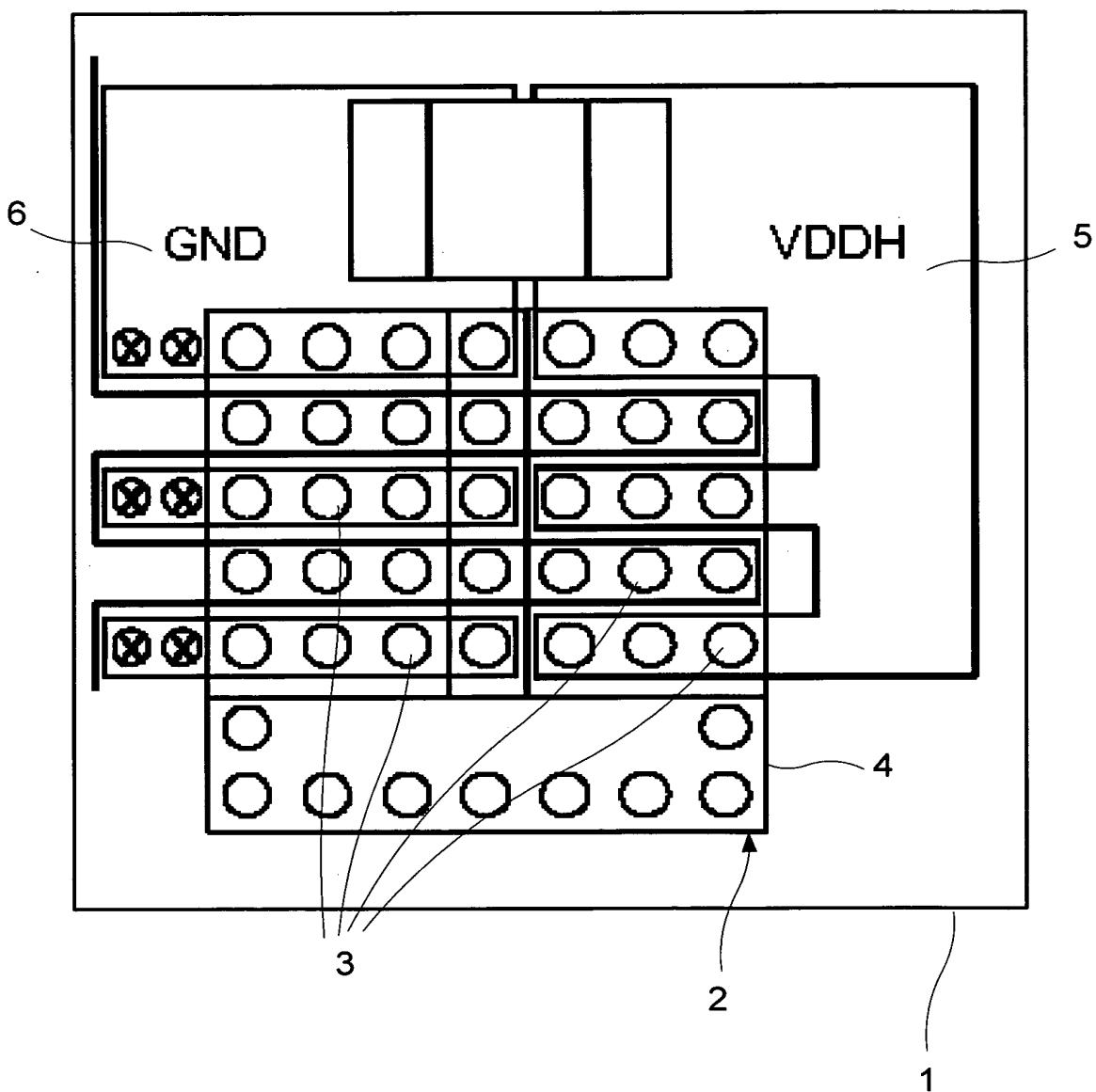


FIG. 1
(Prior Art)

REPLACEMENT SHEET

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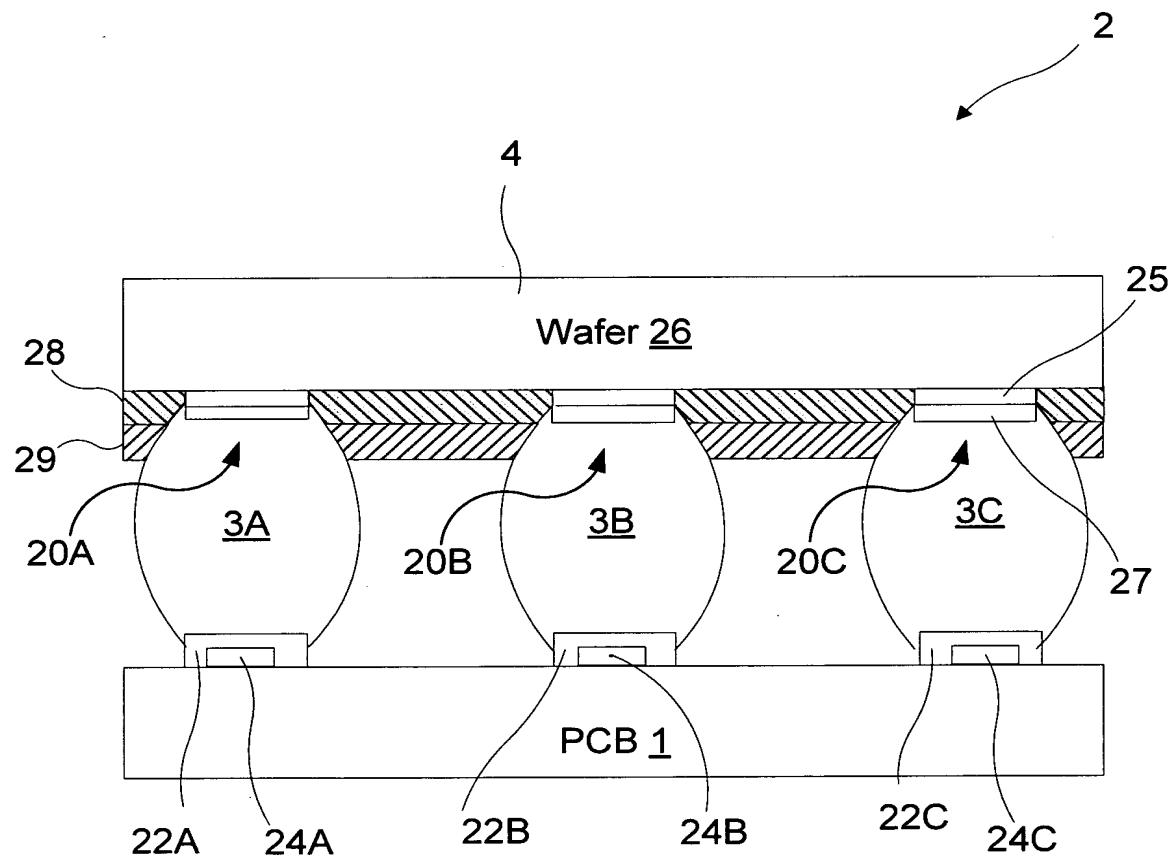


FIG. 2
(Prior Art)

REPLACEMENT SHEET

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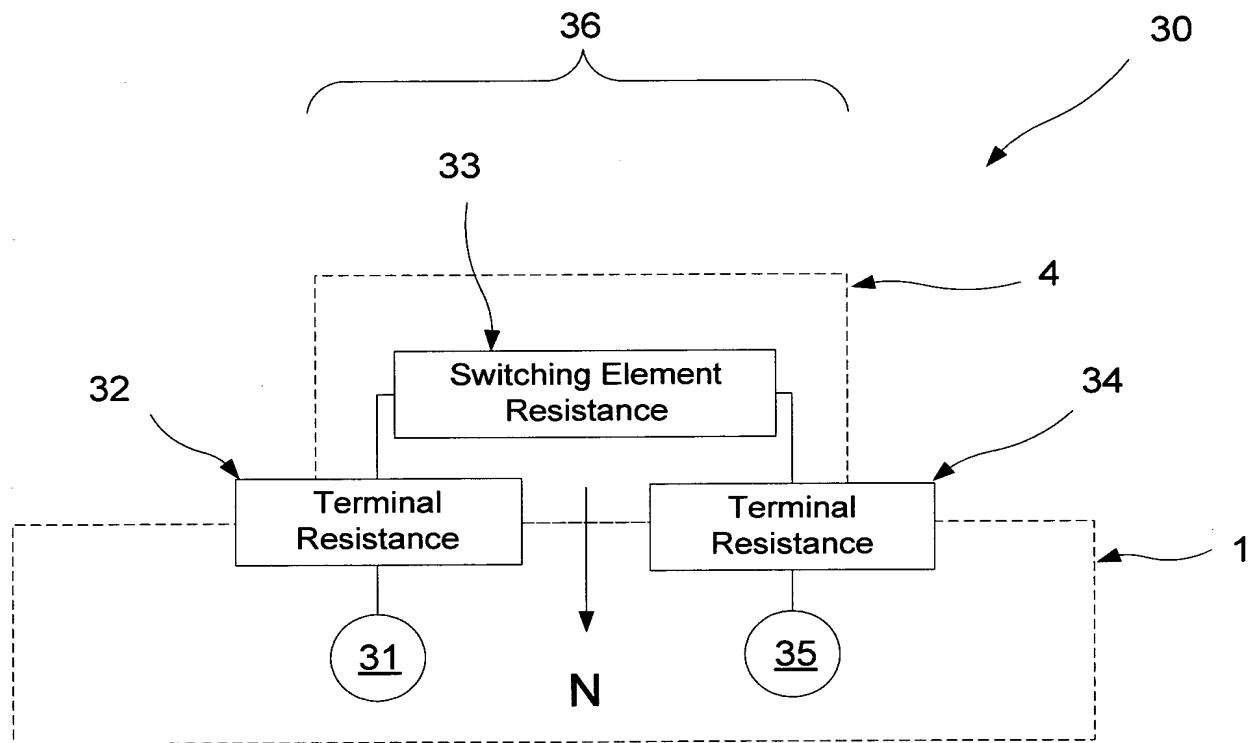


FIG. 3

REPLACEMENT SHEET

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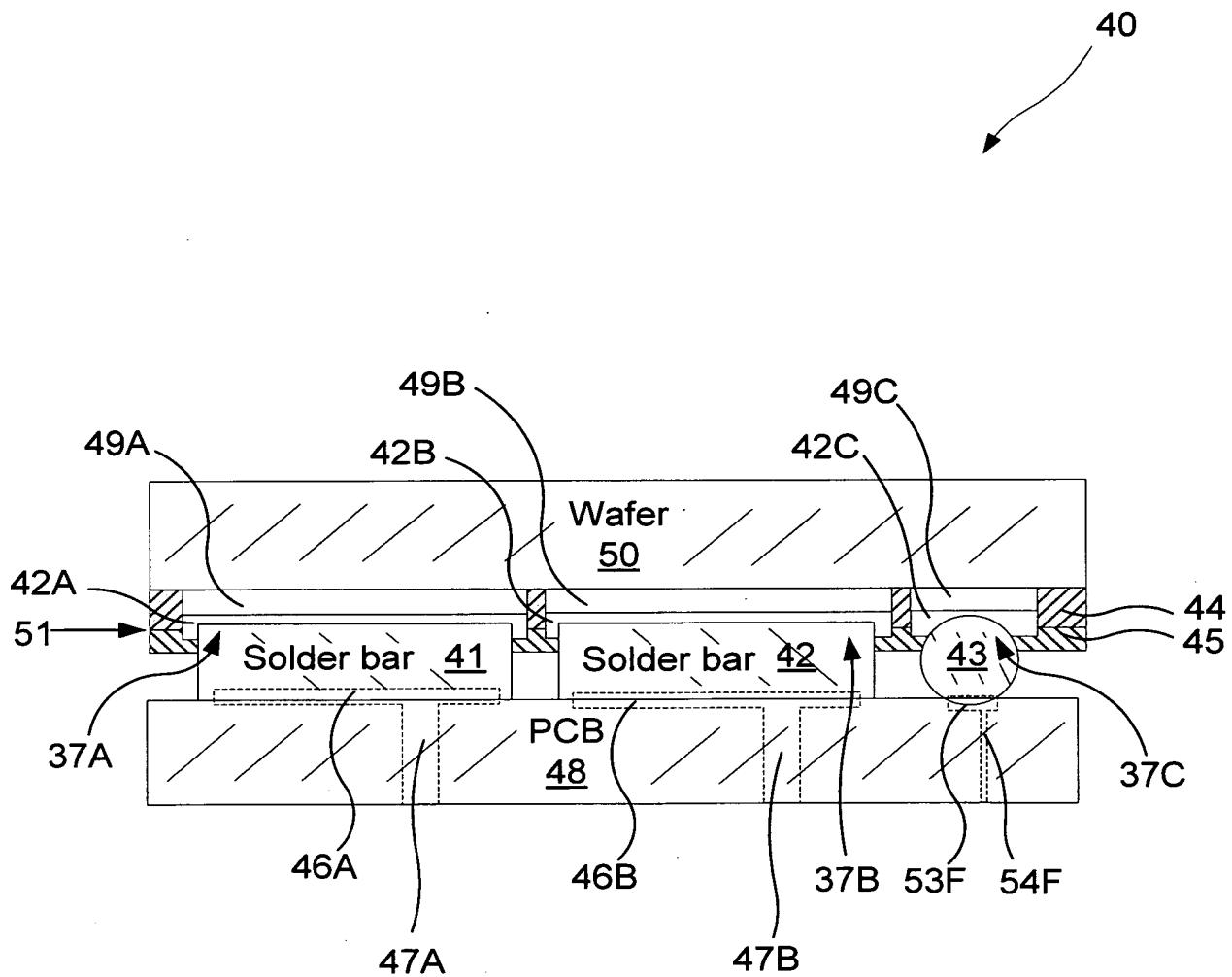


FIG. 4

REPLACEMENT SHEET

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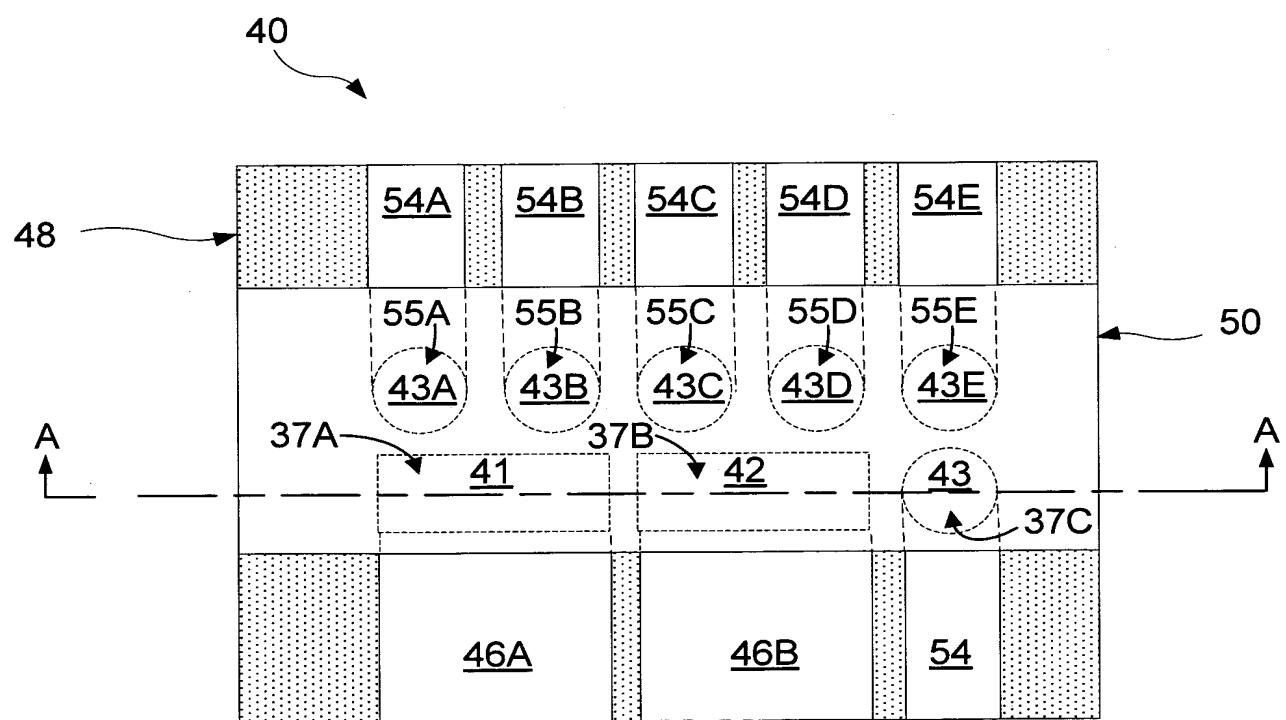
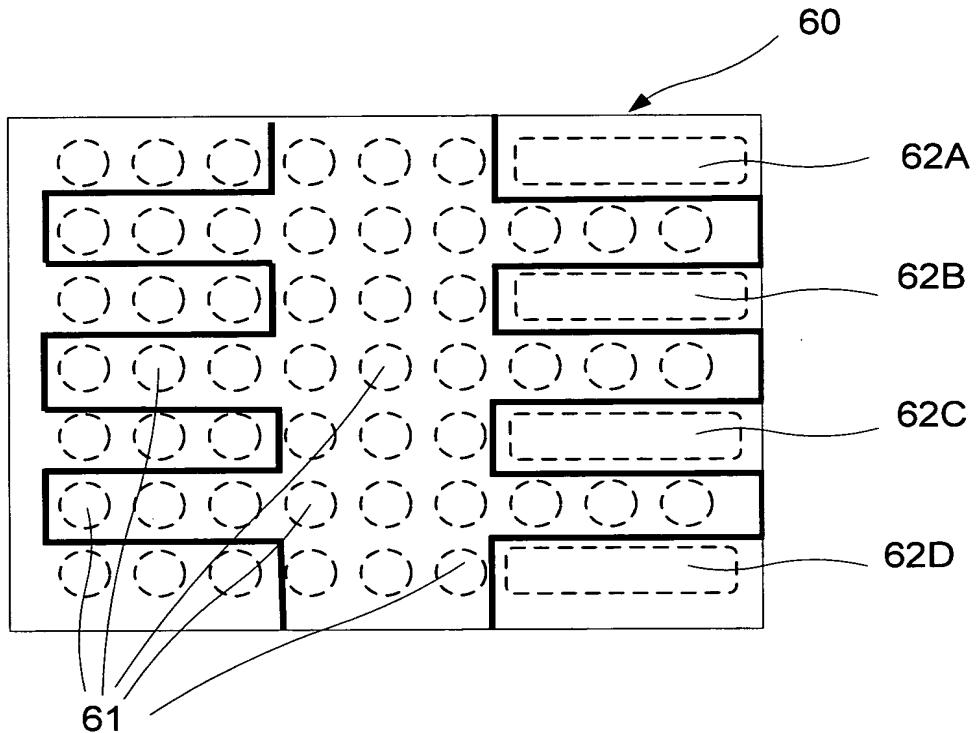


FIG. 5

REPLACEMENT SHEET

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FIG. 6



Side View

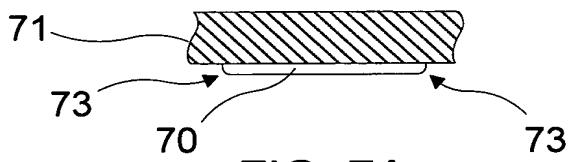


FIG. 7A

Bottom View

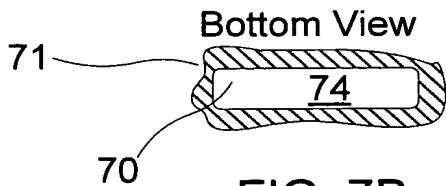


FIG. 7B

REPLACEMENT SHEET

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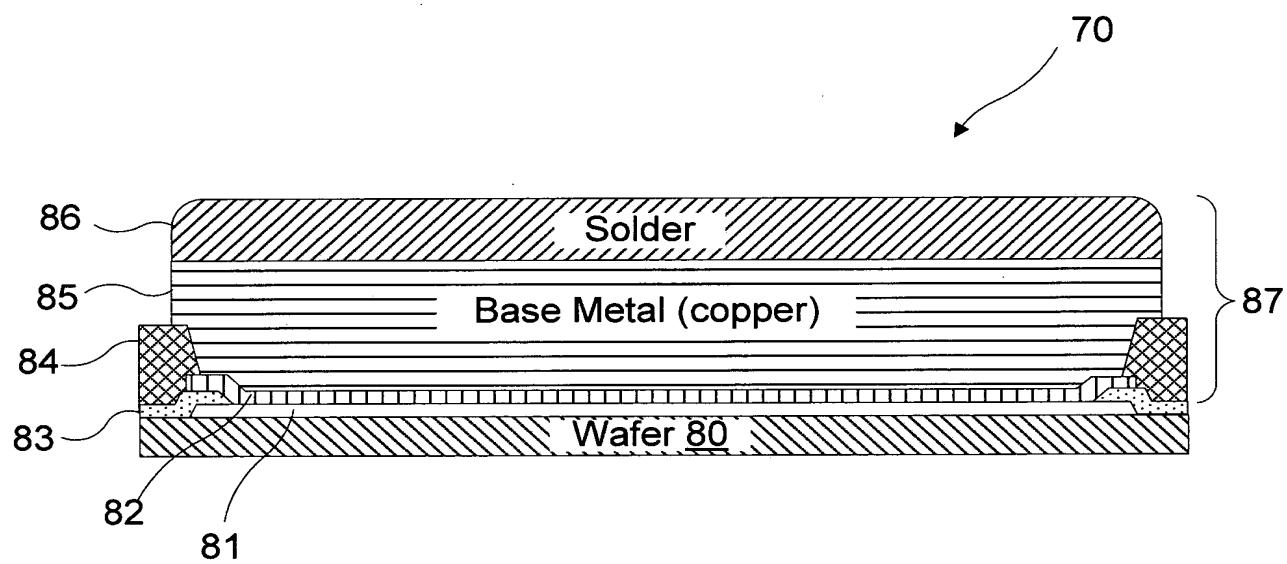


FIG. 8

REPLACEMENT SHEET

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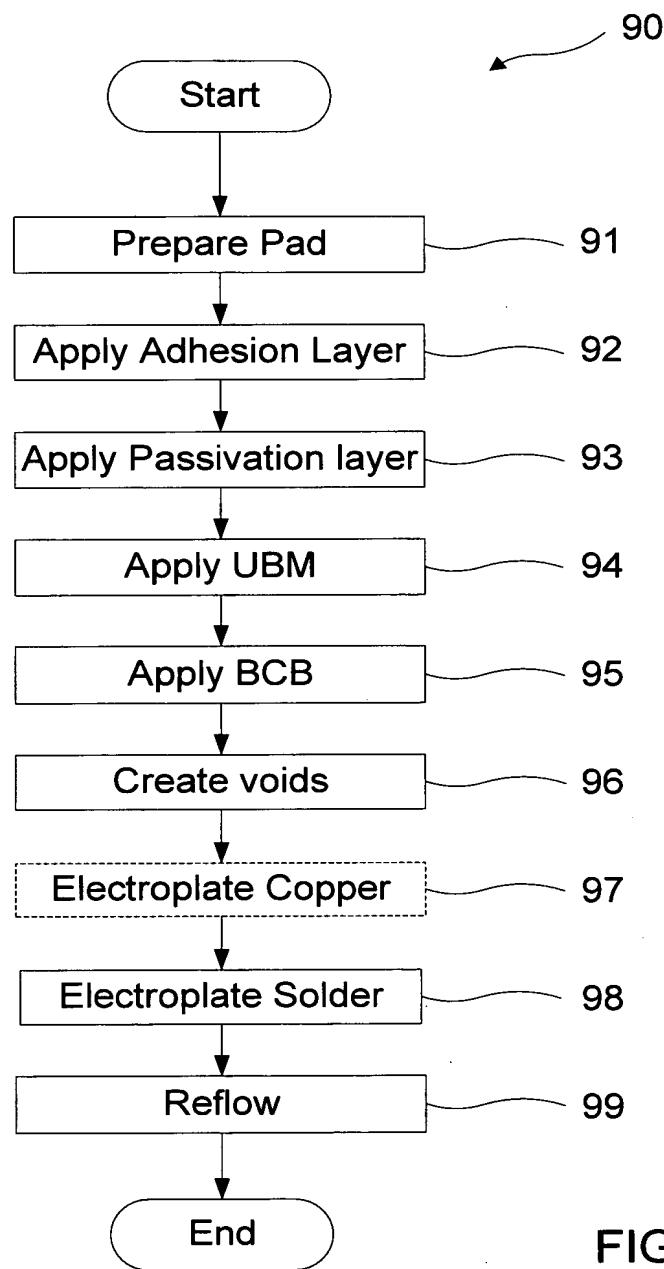


FIG. 9

REPLACEMENT SHEET

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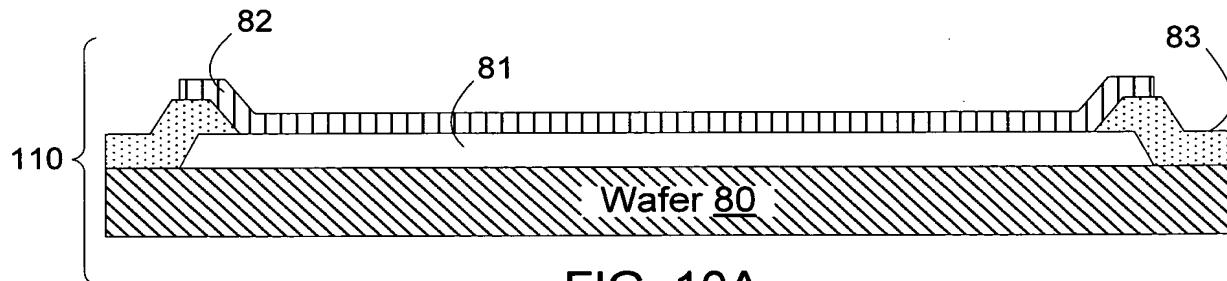


FIG. 10A

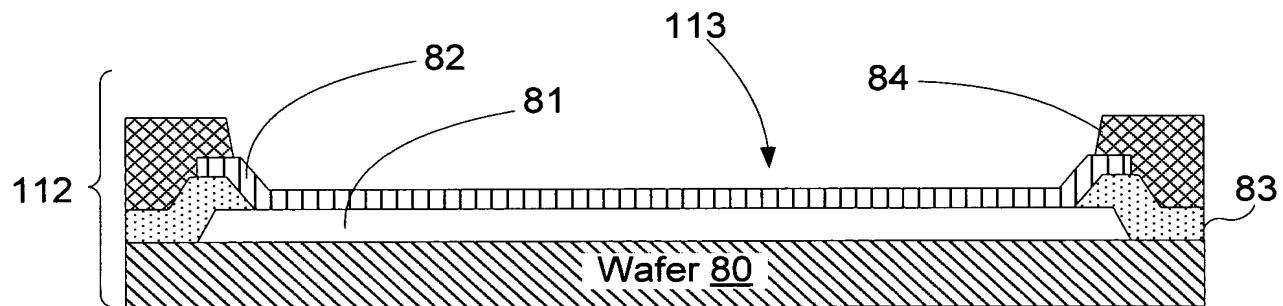


FIG. 10B

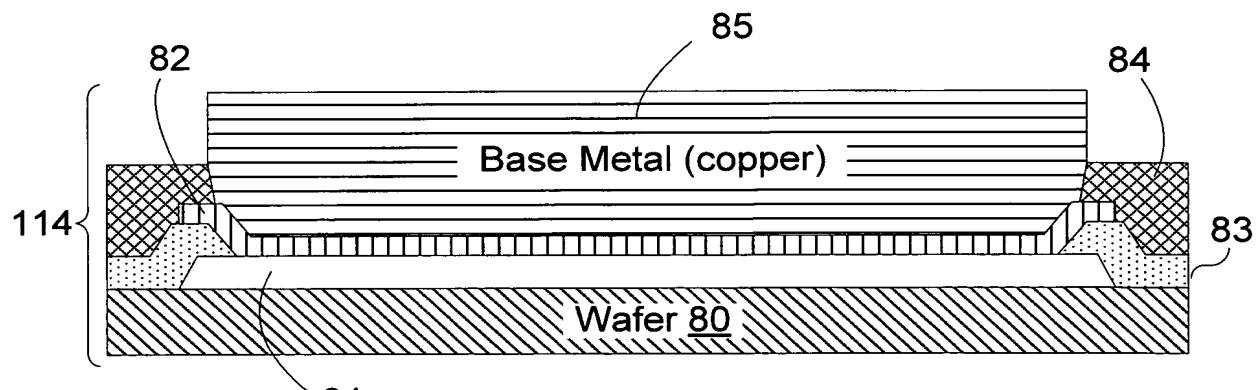


FIG. 10C

REPLACEMENT SHEET

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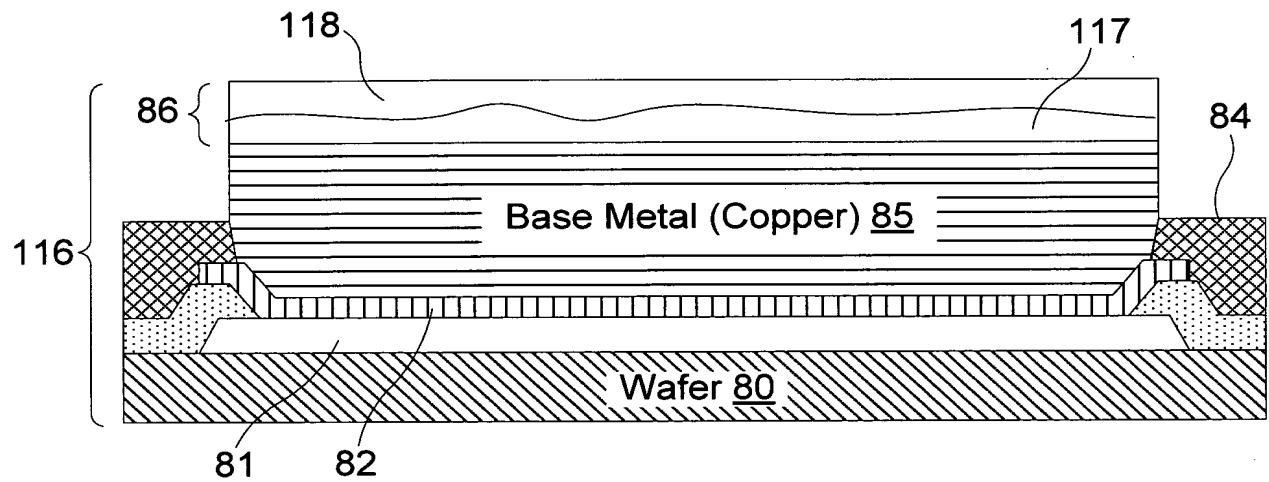


FIG. 10D

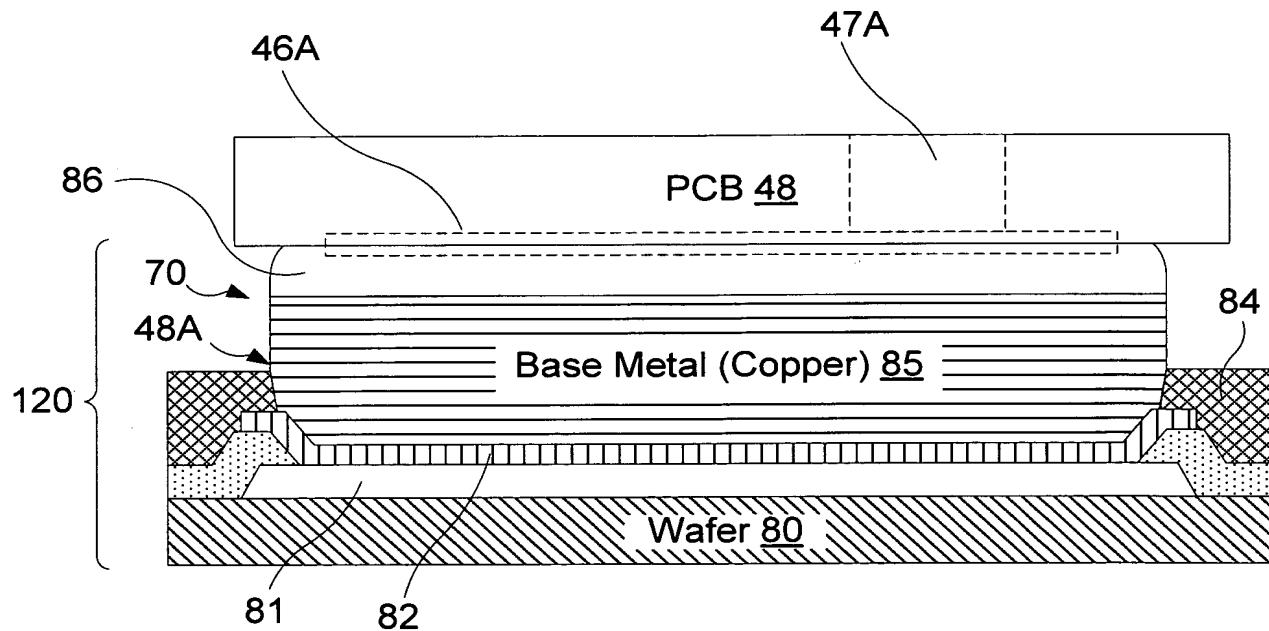


FIG. 10E

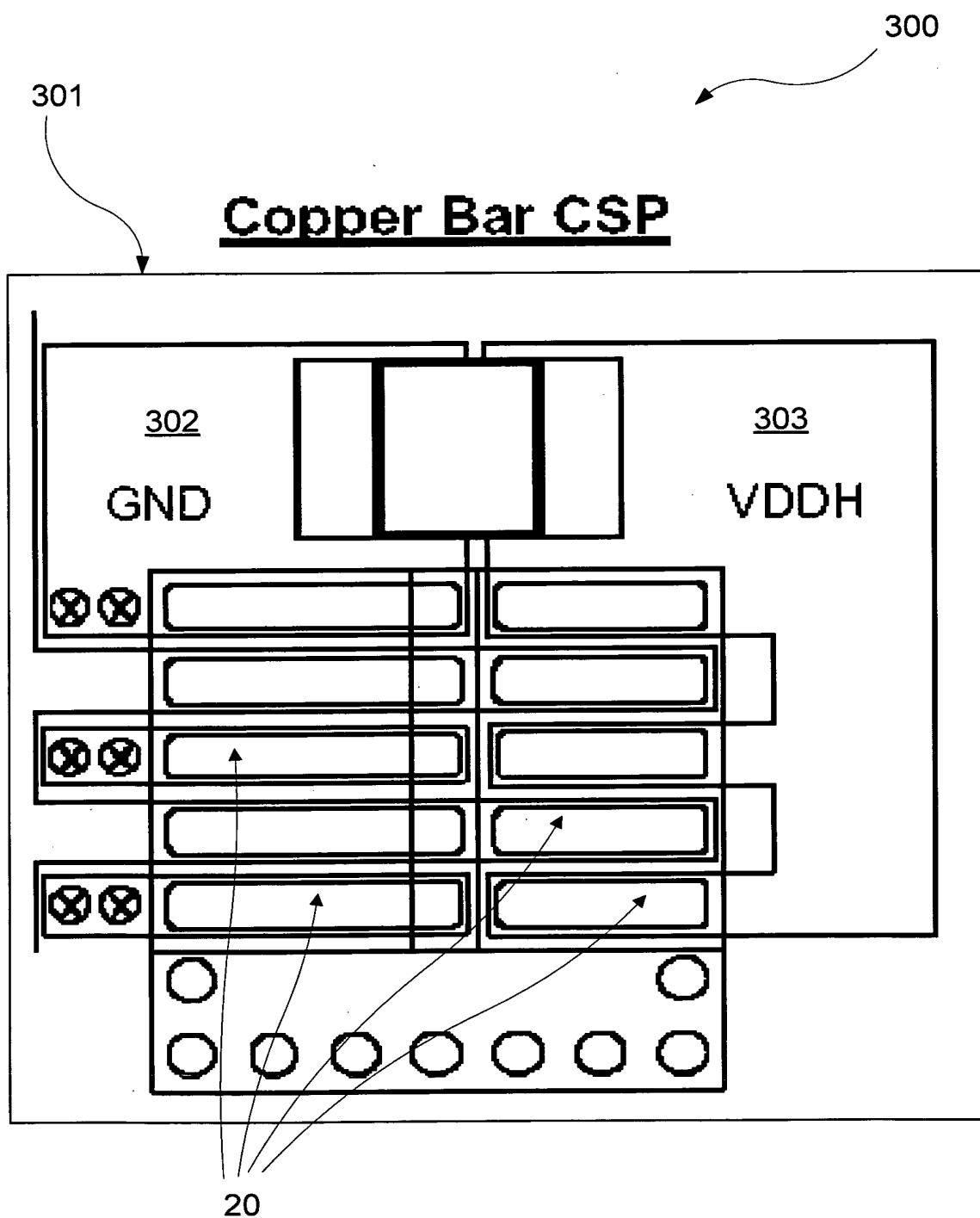


FIG. 11

REPLACEMENT SHEET

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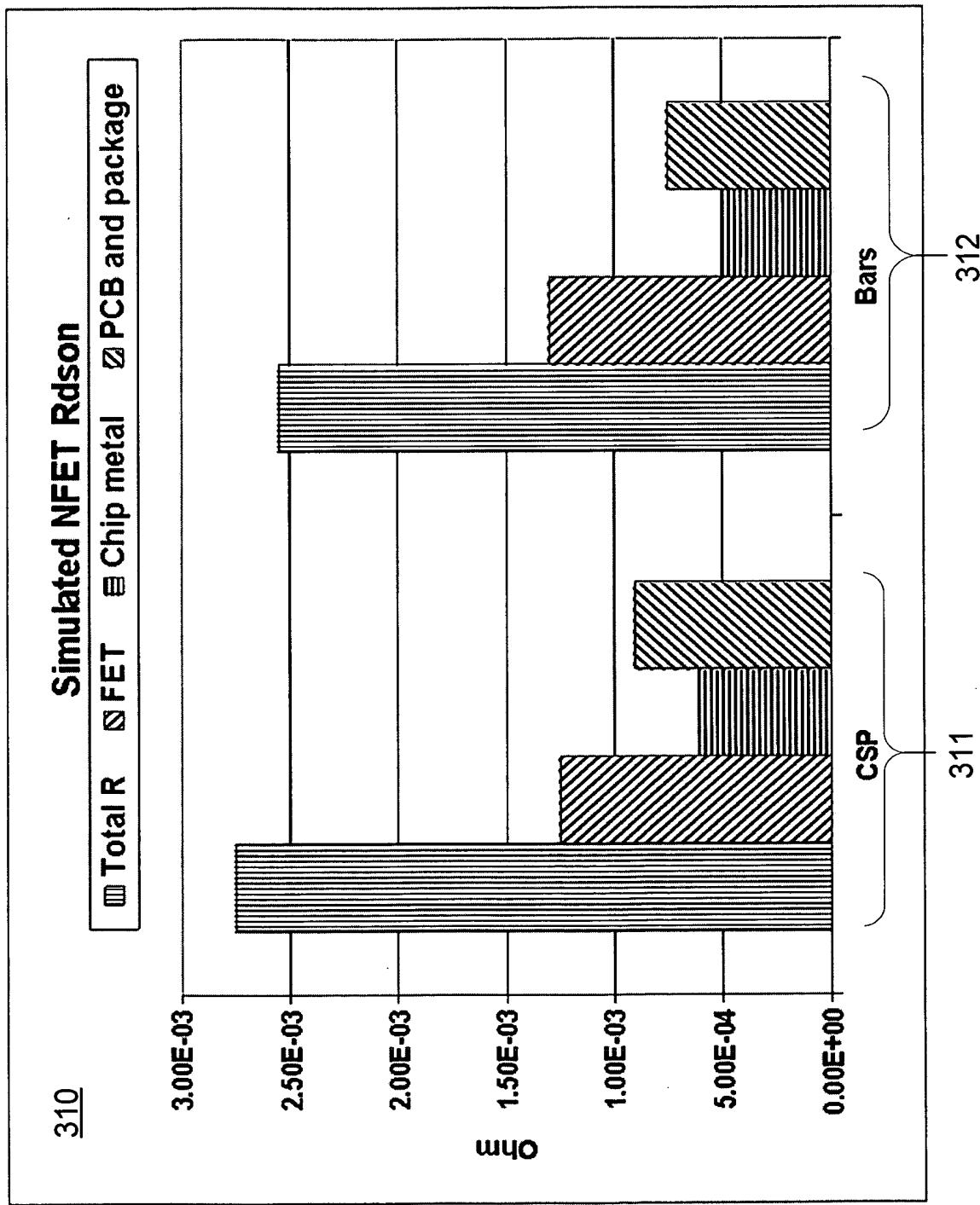
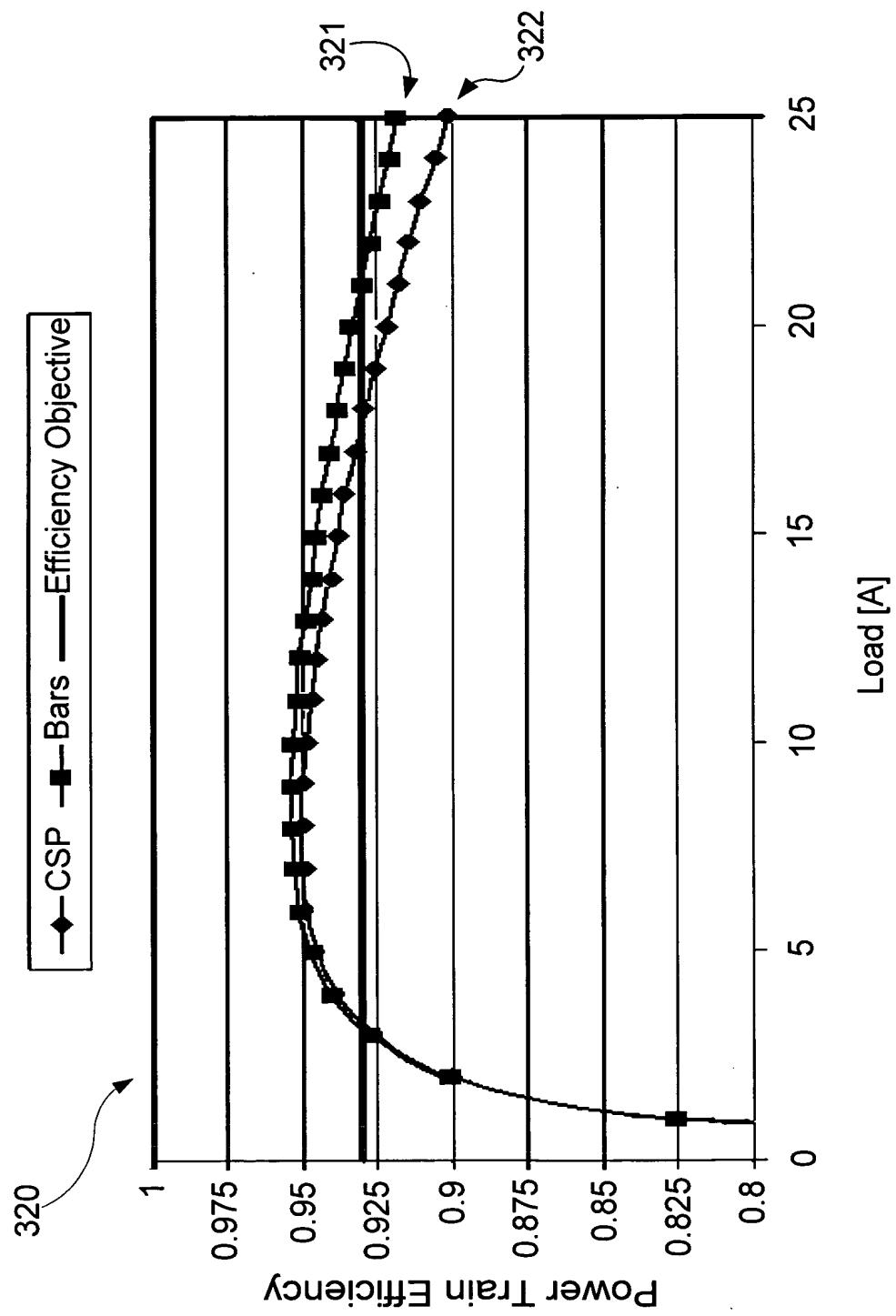


FIG. 12 Solder bar gives 10 – 15% improvement in Rds over CSP

REPLACEMENT SHEET

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- 1.6% higher efficiency at 25A
- 3.5A more current (20%) at 93% efficiency

FIG. 13

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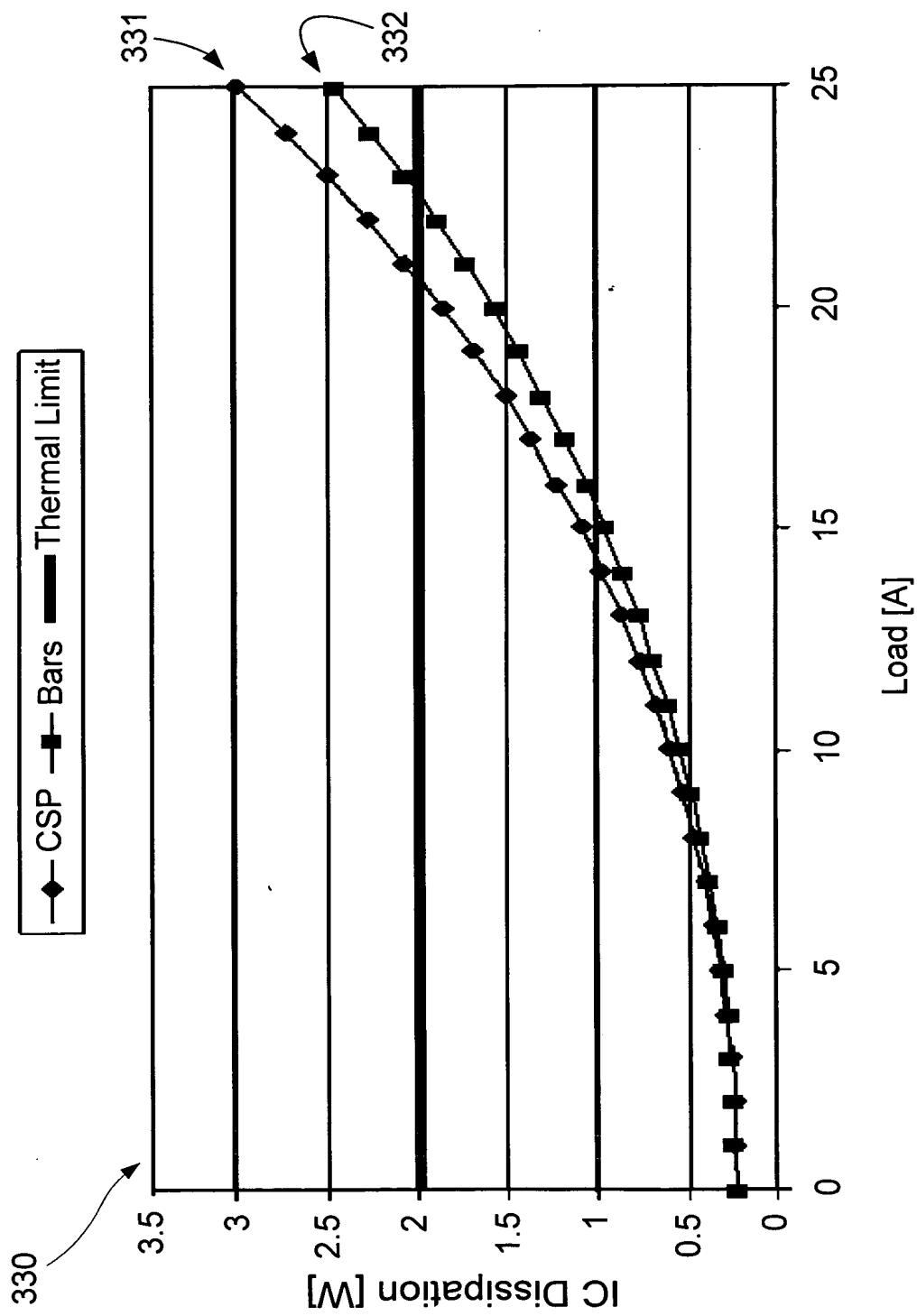


FIG. 14

- 550mW (18%) savings at 25A
- 2A more current (10%) at 2W dissipation